

# **Global Chipless RFID Market based on by Component Type (Direct Thermal and Thermal Transfer), by Industry (Retail and Consumer Goods, Logistics & Manufacturing, Healthcare, Government, Aerospace & Defense, and Others), and by Region– Global Forecast up to 2030**

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## **Abstracts**

In order to gather qualitative and quantitative data for this report, a variety of sources from the supply and demand sides were interviewed throughout the main research phase. Industry professionals such as CEOs, vice presidents, marketing and sales directors, technology & innovation directors, and other associated key executives from various important firms and organisations participating in the global Global Chipless RFID Market are the main sources on the supply side. The demand side's principal sources included professionals in the field, including physicians, nurses, and hospital buy managers.

To verify the market segmentation, identify important market participants, and obtain information on important market dynamics and industry trends, primary research was carried out.

The key elements influencing the growth of the chipless RFID market are the greater efficiency that these tags provide, the low cost of production, and the growing demand for chipless RFID tags in the banking and healthcare industries. However, the development of chipless RFID is limited by data encoding and transmission. On the other hand, the industry is anticipated to benefit greatly from the increased adoption of chipless RFID by merchants and the development of cloud-based systems. Over the course of the forecast period, each of these factors is anticipated to have an impact on

the growth of the worldwide chipless RFID market.

The research on Chipless RFID offers a quantitative study of the market drivers, restraints, trends, and estimations. The ability of buyers and suppliers to make profit-driven strategic decisions and grow their supplier-buyer networks is demonstrated by Porter's five forces study. The present Chipless RFID market potential can be ascertained with the use of thorough analysis, market size, and segmentation. Investors will receive a clear futuristic vision of the industry from the study, which also contains the elements expected to have an impact on the firm either positively or adversely.

#### Research Methodology:

After secondary research provided a fundamental understanding of the worldwide Global Chipless RFID Market scenario, extensive primary research was carried out. A number of primary interviews were carried out with industry experts from the supply and demand sides, including C- and D-level executives, product managers, and marketing and sales managers of major manufacturers, distributors, and channel partners from tier 1 and tier 2 companies offering Autologous Stem Cell and Non-Stem Cell Based Therapies Market, as well as personnel from academia, research, and CROs. These interviews were conducted across five major regions: North America, Europe, Asia Pacific, and the Rest of the World (Latin America & the Middle East & Africa). Participants from the supply-side and demand-side participated in about 70% and 30% of the primary interviews, respectively. Through the use of questionnaires, emails, online surveys, in-person interviews, and phone interviews, this main data was gathered. The primary participants share is given below:

#### Global Chipless RFID Market based on Component Type:

RFID Tags

RFID Reader

RFID Middleware Real-time Communication Solutions

#### Global Chipless RFID Market based on Industry:

Retail and Consumer Goods

Logistics and Manufacturing

Healthcare

Government

Aerospace and Defense

Others

#### Global Chipless RFID Market based on Geography:

North America

US

Canada

Europe

Germany

UK

France

Italy

Spain

Rest of Europe (RoE)

Asia Pacific (APAC)

China

Japan

India

Australia

South Korea

Rest of Asia Pacific (RoAPAC)

Latin America (LATAM)

Brazil

Argentina

Rest of South America

Middle East and Africa (MEA)

UAE

Turkey

Saudi Arabia

South Africa

Rest of Middle East & Africa

In 2014, the size of the global printed and chipless RFID market was predicted to be more than USD 2 billion. The industry demand is being driven by organisations' growing requirement for inventory management and supply chain monitoring. Over the course of the predicted period, benefits are also expected to be driven by a tag's cost decreasing. Because this technology is more functional and less expensive than alternatives, the public transport sector is anticipated to utilise it more and more over the course of the next seven years.

Oyster Card (UK), Octopus Card (China), T-Monet (Seoul), Ventra (US), and Saint Petersburg City Card (Russia) are a few prominent public transport programmes that

use RFID technology. These cards are used for local public transit and even train systems.

Over the course of the projection period, technological advancement is expected to lower the cost of solution implementation. Companies using Radio-Frequency identifying technology systems can benefit from a number of features, including the ability to remotely scan tags with unique identifying numbers that allow for product tracking. Some tag types have the ability to be overwritten, allowing many tags to be read at once and checking a whole pallet's worth of goods at once.

Over the course of the projected period, the retail industry is expected to trail behind the transport and logistics area as the primary application. The demand is expected to increase in the future due to the expanding public transport sector. The category held a share of over 30% of total sales in 2014 and is anticipated to expand at a compound annual growth rate (CAGR) of over 25% during the projected period.

Over the course of the projection period, the expansion of contemporary infrastructure in nations like Brazil, China, and India is expected to support market growth. Around the world, a large number of warehouses and retail locations are implementing Radio-Frequency Identification technology in order to improve customer satisfaction, inventory accuracy, store execution, on-shelf availability, shrinkage reduction, enable Omni-channel retailing, and provide big data to management that can provide fresh insights.

In 2014, the printed and chipless RFID market in North America constituted more than 35% of the total revenue. The United States is anticipated to account for more than 75% of the regional market in 2014 and to expand significantly over the course of the forecast period.

Businesses in the United States are implementing this technology to improve inventory visibility and streamline their supply chains. The Food and Drug Administration (FDA) and the US Department of Defence (DOD) have promoted the use of RFID technology in supply chain management and product tracking and tracing.

This report illustrates the most vital attributes of the global chipless RFID market, which are driving and providing opportunities.

This research gives an in-depth analysis of the global chipless RFID market growth on the basis of several segments in the market.

This report presents the predictions of the past and present trends of the global chipless RFID market.

This study also presents the competitive analysis, such as key strategies and capabilities of major players of the global chipless RFID market.

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. INDUSTRY OUTLOOK**

- 2.1. Industry Overview
- 2.2. Industry Trends

### **3. MARKET SNAPSHOT**

- 3.1. Market Definition
- 3.2. Market Outlook
  - 3.2.1. Porter Five Forces
- 3.3. Related Markets

### **4. MARKET CHARACTERISTICS**

- 4.1. Market Overview
- 4.2. Market Segmentation
- 4.3. Market Dynamics
  - 4.3.1. Drivers
  - 4.3.2. Restraints
  - 4.3.3. Opportunities
- 4.4. DRO - Impact Analysis

### **5. COMPONENT TYPE: MARKET SIZE & ANALYSIS**

- 5.1. Overview
- 5.2. RFID Tags
- 5.3. RFID Reader
- 5.4. RFID Middleware Real-time Communication Solutions

### **6. INDUSTRY: MARKET SIZE & ANALYSIS**

- 6.1. Overview
- 6.2. Retail and Consumer Goods
- 6.3. Logistics and Manufacturing

- 6.4. Healthcare
- 6.5. Government
- 6.6. Aerospace and Defense
- 6.7. Others

## **7. GEOGRAPHY: MARKET SIZE & ANALYSIS**

- 7.1. Overview
- 7.2. North America (U.S., Mexico, Canada)
- 7.3. Europe (France, Germany, UK, Italy, Netherlands, Spain, Russia, Rest of Europe)
- 7.4. Asia Pacific (Japan, China, India, Australia, South East Asia, Rest of APAC)
- 7.5. Latin America (Brazil, Argentina)
- 7.6. Middle East & Africa (Saudi Arabia, UAE, South Africa, Rest of Middle East and Africa)

## **8. COMPETITIVE LANDSCAPE**

- 8.1. Competitor Comparison Analysis
- 8.2. Market Developments
  - 8.2.1. Mergers and Acquisitions, Legal, Awards, Partnerships
  - 8.2.2. Product Launches and execution

## **9. VENDOR PROFILES**

- 9.1. HONEYWELL INTERNATIONAL INC.
  - 9.1.1. Overview
  - 9.1.2. Financial Overview
  - 9.1.3. Product Offerings
  - 9.1.4. Developments
  - 9.1.5. Business Strategy
- 9.2. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.
  - 9.2.1. Overview
  - 9.2.2. Financial Overview
  - 9.2.3. Product Offerings
  - 9.2.4. Developments
  - 9.2.5. Business Strategy
- 9.3. IMPINJ, INC.
  - 9.3.1. Overview
  - 9.3.2. Financial Overview



- 9.3.3. Product Offerings
- 9.3.4. Developments
- 9.3.5. Business Strategy
- 9.4. Checkpoint Systems, Inc.
  - 9.4.1. Overview
  - 9.4.2. Financial Overview
  - 9.4.3. Product Offerings
  - 9.4.4. Developments
  - 9.4.5. Business Strategy
- 9.5. Alien Technology
  - 9.5.1. Overview
  - 9.5.2. Financial Overview
  - 9.5.3. Product Offerings
  - 9.5.4. Developments
  - 9.5.5. Business Strategy
- 9.6. AVERY DENNISON CORPORATION
  - 9.6.1. Overview
  - 9.6.2. Financial Overview
  - 9.6.3. Product Offerings
  - 9.6.4. Developments
  - 9.6.5. Business Strategy
- 9.7. NXP Semiconductors
  - 9.7.1. Overview
  - 9.7.2. Financial Overview
  - 9.7.3. Product Offerings
  - 9.7.4. Developments
  - 9.7.5. Business Strategy
- 9.8. iDTRONIC GmbH
  - 9.8.1. Overview
  - 9.8.2. Financial Overview
  - 9.8.3. Product Offerings
  - 9.8.4. Developments
  - 9.8.5. Business Strategy
- 9.9. INVENGO TECHNOLOGY PTE. LTD.
  - 9.9.1. Overview
  - 9.9.2. Financial Overview
  - 9.9.3. Product Offerings
  - 9.9.4. Developments
  - 9.9.5. Business Strategy

## 9.10. ZEBRA TECHNOLOGIES CORP.

- 9.10.1. Overview
- 9.10.2. Financial Overview
- 9.10.3. Product Offerings
- 9.10.4. Developments
- 9.10.5. Business Strategy

## 10. ANALYST OPINION

## 11. ANNEXURE

- 11.1. Report Scope
- 11.2. Market Definitions
- 11.3. Research Methodology
  - 11.3.1. Data Collation and In-house Estimation
  - 11.3.2. Market Triangulation
  - 11.3.3. Forecasting
- 11.4. Report Assumptions
- 11.5. Declarations
- 11.6. Stakeholders
- 11.7. Abbreviations

### Tables

TABLE 1. GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 2. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID TAGS, BY GEOGRAPHY , 2021-2030 (USD BILLION)

TABLE 3. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID READER, BY GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 4. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID MIDDLEWARE REAL-TIME COMMUNICATION SOLUTIONS, BY GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 5. GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 6. GLOBAL CHIPLESS RFID MARKET VALUE FOR RETAIL AND CONSUMER GOODS, 2021-2030 (USD BILLION)

TABLE 7. GLOBAL CHIPLESS RFID MARKET VALUE FOR LOGISTICS AND MANUFACTURING, BY GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 8. GLOBAL CHIPLESS RFID MARKET VALUE FOR HEALTHCARE, BY

GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 9. GLOBAL CHIPLESS RFID MARKET VALUE FOR GOVERNMENT, BY GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 10. GLOBAL CHIPLESS RFID MARKET VALUE FOR AEROSPACE AND DEFENSE, BY GEOGRAPHY, 2021-2030 (USD BILLION)

TABLE 11. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

TABLE 12. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 13. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 14. U.S GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 15. U.S GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 16. CANADA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 17. CANADA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 18. MEXICO GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 19. MEXICO GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 20. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

TABLE 21. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 22. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 23. GERMANY GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 24. GERMANY GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 25. U.K GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 26. U.K GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 27. FRANCE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 28. FRANCE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 29. ITALY GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 30. ITALY GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 31. SPAIN GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 32. SPAIN GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 33. ROE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 34. ROE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 35. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

TABLE 36. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 37. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 38. CHINA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 39. CHINA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 40. INDIA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 41. INDIA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 42. JAPAN GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 43. JAPAN GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 44. REST OF APAC GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 45. REST OF APAC GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 46. LATIN AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 47. LATIN AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY

INDUSTRY, 2021-2030 (USD BILLION)

TABLE 48. BRAZIL GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 49. BRAZIL GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 50. ARGENTINA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 51. ARGENTINA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 52. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY TYPE, 2021-2030 (USD BILLION)

TABLE 53. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 54. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 55. SAUDI ARABIA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 56. SAUDI ARABIA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 57. UAE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 58. UAE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 59. REST OF MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

TABLE 60. REST OF MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

TABLE 61. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: FINANCIALS

TABLE 62. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: PRODUCTS & SERVICES

TABLE 63. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: RECENT DEVELOPMENTS

TABLE 64. IMPINJ, INC.: FINANCIALS

TABLE 65. IMPINJ, INC.: PRODUCTS & SERVICES

TABLE 66. IMPINJ, INC.: RECENT DEVELOPMENTS

TABLE 67. HONEYWELL INTERNATIONAL INC.: FINANCIALS

TABLE 68. HONEYWELL INTERNATIONAL INC.: PRODUCTS & SERVICES

TABLE 69. HONEYWELL INTERNATIONAL INC.: RECENT DEVELOPMENTS

TABLE 70. CHECKPOINT SYSTEMS, INC.: FINANCIALS

TABLE 71. CHECKPOINT SYSTEMS, INC.: PRODUCTS & SERVICES

TABLE 72. CHECKPOINT SYSTEMS, INC.: RECENT DEVELOPMENTS

TABLE 73. MCKESSON CORPORATION: FINANCIALS

TABLE 74. MCKESSON CORPORATION: PRODUCTS & SERVICES

TABLE 75. MCKESSON CORPORATION: RECENT DEVELOPMENTS

TABLE 76. ALIEN TECHNOLOGY.: FINANCIALS

TABLE 77. ALIEN TECHNOLOGY: PRODUCTS & SERVICES

TABLE 78. ALIEN TECHNOLOGY: RECENT DEVELOPMENTS

TABLE 79. AVERY DENNISON CORPORATION: FINANCIALS

TABLE 80. AVERY DENNISON CORPORATION: PRODUCTS & SERVICES

TABLE 81. AVERY DENNISON CORPORATION: DEVELOPMENTS

TABLE 82. NXP SEMICONDUCTORS: FINANCIALS

TABLE 83. NXP SEMICONDUCTORS: PRODUCTS & SERVICES

TABLE 84. NXP SEMICONDUCTORS: RECENT DEVELOPMENTS

TABLE 85. IDTRONIC GMBH: FINANCIALS

TABLE 86. IDTRONIC GMBH: PRODUCTS & SERVICES

TABLE 87. IDTRONIC GMBH: RECENT DEVELOPMENTS

TABLE 88. INVENGO TECHNOLOGY PTE. LTD.: FINANCIALS

TABLE 89. INVENGO TECHNOLOGY PTE. LTD.: PRODUCTS & SERVICES

TABLE 90. INVENGO TECHNOLOGY PTE. LTD.: RECENT DEVELOPMENTS

Charts

CHART. 1. GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 2. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID TAGS, BY GEOGRAPHY , 2021-2030 (USD BILLION)

CHART. 3. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID READER, BY GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 4. GLOBAL CHIPLESS RFID MARKET VALUE FOR RFID MIDDLEWARE REAL-TIME COMMUNICATION SOLUTIONS, BY GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 5. GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 6. GLOBAL CHIPLESS RFID MARKET VALUE FOR RETAIL AND CONSUMER GOODS, 2021-2030 (USD BILLION)

CHART. 7. GLOBAL CHIPLESS RFID MARKET VALUE FOR LOGISTICS AND MANUFACTURING, BY GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 8. GLOBAL CHIPLESS RFID MARKET VALUE FOR HEALTHCARE, BY GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 9. GLOBAL CHIPLESS RFID MARKET VALUE FOR GOVERNMENT, BY



GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 10. GLOBAL CHIPLESS RFID MARKET VALUE FOR AEROSPACE AND DEFENSE, BY GEOGRAPHY, 2021-2030 (USD BILLION)

CHART. 11. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

CHART. 12. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 13. NORTH AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 14. U.S GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 15. U.S GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 16. CANADA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 17. CANADA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 18. MEXICO GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 19. MEXICO GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 20. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

CHART. 21. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 22. EUROPE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 23. GERMANY GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 24. GERMANY GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 25. U.K GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 26. U.K GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 27. FRANCE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 28. FRANCE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 29. ITALY GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 30. ITALY GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 31. SPAIN GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 32. SPAIN GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 33. ROE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 34. ROE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 35. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY COUNTRY, 2021-2030 (USD BILLION)

CHART. 36. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 37. ASIA PACIFIC GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 38. CHINA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 39. CHINA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 40. INDIA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 41. INDIA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 42. JAPAN GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 43. JAPAN GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 44. REST OF APAC GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 45. REST OF APAC GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 46. LATIN AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 47. LATIN AMERICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 48. BRAZIL GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT



TYPE, 2021-2030 (USD BILLION)

CHART. 49. BRAZIL GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 50. ARGENTINA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 51. ARGENTINA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 52. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY TYPE, 2021-2030 (USD BILLION)

CHART. 53. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 54. MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 55. SAUDI ARABIA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 56. SAUDI ARABIA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 57. UAE GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 58. UAE GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 59. REST OF MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY COMPONENT TYPE, 2021-2030 (USD BILLION)

CHART. 60. REST OF MIDDLE EAST AND AFRICA GLOBAL CHIPLESS RFID MARKET VALUE, BY INDUSTRY, 2021-2030 (USD BILLION)

CHART. 61. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: FINANCIALS

CHART. 62. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: PRODUCTS & SERVICES

CHART. 63. APPLIED WIRELESS IDENTIFICATIONS GROUP INC.: RECENT DEVELOPMENTS

CHART. 64. IMPINJ, INC.: FINANCIALS

CHART. 65. IMPINJ, INC.: PRODUCTS & SERVICES

CHART. 66. IMPINJ, INC.: RECENT DEVELOPMENTS

CHART. 67. HONEYWELL INTERNATIONAL INC.: FINANCIALS

CHART. 68. HONEYWELL INTERNATIONAL INC.: PRODUCTS & SERVICES

CHART. 69. HONEYWELL INTERNATIONAL INC.: RECENT DEVELOPMENTS

CHART. 70. CHECKPOINT SYSTEMS, INC.: FINANCIALS

CHART. 71. CHECKPOINT SYSTEMS, INC.: PRODUCTS & SERVICES

CHART. 72. CHECKPOINT SYSTEMS, INC.: RECENT DEVELOPMENTS

CHART. 73. MCKESSON CORPORATION: FINANCIALS  
CHART. 74. MCKESSON CORPORATION: PRODUCTS & SERVICES  
CHART. 75. MCKESSON CORPORATION: RECENT DEVELOPMENTS  
CHART. 76. ALIEN TECHNOLOGY.: FINANCIALS  
CHART. 77. ALIEN TECHNOLOGY: PRODUCTS & SERVICES  
CHART. 78. ALIEN TECHNOLOGY: RECENT DEVELOPMENTS  
CHART. 79. AVERY DENNISON CORPORATION: FINANCIALS  
CHART. 80. AVERY DENNISON CORPORATION: PRODUCTS & SERVICES  
CHART. 81. AVERY DENNISON CORPORATION: DEVELOPMENTS  
CHART. 82. NXP SEMICONDUCTORS: FINANCIALS  
CHART. 83. NXP SEMICONDUCTORS: PRODUCTS & SERVICES  
CHART. 84. NXP SEMICONDUCTORS: RECENT DEVELOPMENTS  
CHART. 85. IDTRONIC GMBH: FINANCIALS  
CHART. 86. IDTRONIC GMBH: PRODUCTS & SERVICES  
CHART. 87. IDTRONIC GMBH: RECENT DEVELOPMENTS  
CHART. 88. INVENGO TECHNOLOGY PTE. LTD.: FINANCIALS  
CHART. 89. INVENGO TECHNOLOGY PTE. LTD.: PRODUCTS & SERVICES  
CHART. 90. INVENGO TECHNOLOGY PTE. LTD.: RECENT DEVELOPMENTS

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